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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/026,188
DATE: 07/15/2002
TIME: 13:55:39

Input Set : A:\Ucl149-1.app
Output Set: N:\CRF3\07152002\J026188.raw

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4 <110> APPLICANT: Zuker, Charles S.  
5     Zhang, Yifeng  
6     The Regents of the University of California  
8 <120> TITLE OF INVENTION: Assays for Taste Receptor Cell Specific  
9     Ion Channel  
11 <130> FILE REFERENCE: 02307E-114910US  
13 <140> CURRENT APPLICATION NUMBER: US 10/026,188  
14 <141> CURRENT FILING DATE: 2001-12-21  
16 <150> PRIOR APPLICATION NUMBER: US 60/259,379  
17 <151> PRIOR FILING DATE: 2000-12-29  
19 <160> NUMBER OF SEQ ID NOS: 8  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
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25 <212> TYPE: DNA  
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28 <220> FEATURE:  
29 <223> OTHER INFORMATION: rat L-TRP taste cDNA  
31 <400> SEQUENCE: 1  
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104 <211> LENGTH: 1165
105 <212> TYPE: PRT
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106 <213> ORGANISM: Rattus sp.
108 <220> FEATURE:
109 <223> OTHER INFORMATION: rat L-TRP taste predicted protein
111 <400> SEQUENCE: 2

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115				20					25					30		
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119		50					55					60				
120	Leu	Thr	Glu	Trp	His	Leu	Pro	Ala	Pro	Asn	Leu	Val	Val	Ser	Leu	Val
121	65					70					75					80
122	Gly	Glu	Glu	Arg	Leu	Phe	Ala	Met	Lys	Ser	Trp	Leu	Arg	Asp	Val	Leu
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124	Arg	Lys	Gly	Leu	Val	Lys	Ala	Ala	Gln	Ser	Thr	Gly	Ala	Trp	Ile	Leu
125				100					105					110		
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131	145					150					155					160
132	Gly	Val	Gln	Glu	Asp	Thr	Pro	Ile	His	Tyr	Pro	Ala	Asp	Glu	Gly	Ser
133					165					170					175	
134	Thr	Gln	Gly	Pro	Leu	Cys	Pro	Leu	Asp	Ser	Asn	Leu	Ser	His	Phe	Ile
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142	Gly	Asp	Pro	Ser	Thr	Leu	Glu	Arg	Met	Ser	Arg	Ala	Val	Glu	Gln	Ala
143					245					250					255	
144	Ala	Pro	Trp	Leu	Ile	Leu	Ala	Gly	Ser	Gly	Gly	Ile	Ala	Asp	Val	Leu
145				260					265					270		
146	Ala	Ala	Leu	Val	Gly	Gln	Pro	His	Leu	Leu	Val	Pro	Gln	Val	Thr	Glu
147			275					280					285			
148	Lys	Gln	Phe	Arg	Glu	Lys	Phe	Pro	Ser	Glu	Cys	Phe	Ser	Trp	Glu	Ala
149		290					295						300			
150	Ile	Val	His	Trp	Thr	Glu	Leu	Leu	Gln	Asn	Ile	Ala	Ala	His	Pro	His
151	305					310					315					320
152	Leu	Leu	Thr	Val	Tyr	Asp	Phe	Glu	Gln	Glu	Gly	Ser	Glu	Asp	Leu	Asp
153					325						330				335	
154	Thr	Val	Ile	Leu	Lys	Ala	Leu	Val	Lys	Ala	Cys	Lys	Ser	His	Ser	Arg
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162	Lys	Pro	Asp	Phe	Val	Arg	Leu	Phe	Val	Asp	Ser	Gly	Ala	Asp	Met	Ala	
163				405						410					415		
164	Glu	Phe	Leu	Thr	Tyr	Gly	Arg	Leu	Gln	Gln	Leu	Tyr	His	Ser	Val	Ser	
165				420					425					430			
166	Pro	Lys	Ser	Leu	Leu	Phe	Glu	Leu	Leu	Glu	Arg	Lys	His	Glu	Glu	Gly	
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168	Arg	Leu	Thr	Leu	Ala	Gly	Leu	Gly	Ala	Gln	Gln	Thr	Arg	Lys	Leu	Pro	
169		450					455					460					
170	Val	Gly	Leu	Pro	Ala	Phe	Ser	Leu	His	Glu	Val	Ser	Arg	Val	Leu	Lys	
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172	Asp	Phe	Leu	His	Asp	Ala	Cys	Arg	Gly	Phe	Tyr	Gln	Asp	Gly	Arg	Arg	
173				485						490					495		
174	Met	Glu	Lys	Arg	Gly	Pro	Pro	Lys	Arg	Pro	Ala	Gly	Gln	Lys	Trp	Leu	
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179		530					535					540					
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182	Lys	Glu	Met	Ser	His	Leu	Glu	Lys	Glu	Ala	Glu	Val	Ala	Arg	Thr	Met	
183				565						570					575		
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189		610					615					620					
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192	Ile	Trp	Trp	Gly	Asp	Met	Ala	Thr	Gly	Thr	Pro	Ile	Leu	Arg	Leu	Leu	
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195				660					665				670				
196	Ser	Glu	Asp	Ala	Pro	Gln	Arg	Met	Asp	Leu	Glu	Asp	Leu	Gln	Glu	Pro	
197			675					680					685				
198	Asp	Ser	Leu	Asp	Met	Glu	Lys	Ser	Phe	Leu	Cys	Ser	His	Gly	Gly	Gln	
199		690					695					700					
200	Leu	Glu	Lys	Leu	Thr	Glu	Ala	Pro	Arg	Ala	Pro	Gly	Asp	Leu	Gly	Pro	
201		705				710					715					720	
202	Gln	Ala	Ala	Phe	Leu	Thr	Arg	Trp	Arg	Lys	Phe	Trp	Gly	Ala	Pro		
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